### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 17 February 2005 (17.02.2005)

PCT

# (10) International Publication Number WO 2005/014047 A1

(51) International Patent Classification<sup>7</sup>:

A61K 47/38

(21) International Application Number:

PCT/EP2004/008577

(22) International Filing Date:

30 July 2004 (30.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: MI2003A001640

8 August 2003 (08.08.2003) I

(71) Applicant (for all designated States except US): MIPHARM S.P.A. [IT/IT]; Via B. Quaranta, 12, I-20141 Milano (IT).

(72) Inventor; and

- (75) Inventor/Applicant (for US only): PRINI, Massimo [IT/IT]; Via B. Quaranta, 12, I-20141 Milano (IT).
- (74) Agents: MINOJA, Fabrizio et al.; Bianchetti Bracco Minoja S.r.L., Via Plinio, 63, I-20129 Milano (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BIOADHESIVE GEL BASED ON HYDROXYETHYLCELLULOSE